

SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	<u>1</u>	DATED	<u>10/19/2026</u>	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____
ADDENDUM NO.	_____	DATED	_____	ADDENDUM NO.	_____	DATED	_____

Number

Description

- 1 Revised Table of Contents; Revised Notice To Bidders No. 8386; Added Special Provision No. 907-618-11; Revised Bid Items; Amendment EBSx Download Required.

TOTAL ADDENDA: 1

(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

Contractor

BY _____

Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

President

Address

Secretary

Address

Treasurer

Address

The following is my (our) itemized proposal.

IM-0006-01(106)/ 109258301000

Marshall County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

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OF SECTION 905 AS ADDENDA)

10/19/2026 11:26 AM

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 – NOTICE TO BIDDERS NO. 8386

CODE: (SP)

DATE: 10/16/2026

SUBJECT: Scope of Work

PROJECT: IM-0006-01(106) / 109258301 – Marshall County

The contract documents do not include an official set of construction plans but may, by reference; include some Standard Drawings when so specified in a Notice to Bidders entitled, “Standard Drawings”.

The work to be accomplished using the Pay Items and corresponding specifications set forth in this contract, which is for milling and overlaying 17 miles of Interstate 22, beginning 1 mile west of Landfill Road Exit (Sta. 143+70) and going easterly to the Benton County Line (Sta. 1026+65).

It shall be the responsibility of the contractor to protect the roadway and all existing structures, such as bridges and curbs, from damage occurring as a result of the contractor’s operations. Damages to existing features caused by the contractor’s operations shall be repaired or replaced at no cost to the Mississippi Department of Transportation.

Existing cross slopes of 2% in tangent sections or proper superelevation rates in curves shall be maintained. If water stands when the project is complete, the contractor shall correct at no additional cost to the State.

At bridge ends and at the end of workday, a taper of one (1) vertical inch for each three (3) horizontal foot shall be provided.

The contractor shall make a utility location request to 811 prior to any excavation, except for trench widening or pavement removal/repair.

In order to expedite the safe movement of traffic and to protect each phase of the work as it is performed, a firm sequence of operations is essential. The work shall begin and continually prosecuted.

The work shall consist of the following:

1. Random clearing shall be performed from the beginning of the project to the end of the project limits and median of the mainline as directed by the Engineer. Following the MDOT Tree Management Policy, right-of-way shall be cleared to a minimum distance of seventy feet (70’) from the edge of pavement or to the right-of-way line, whichever distance is less. Overhanging vegetation shall be trimmed to a minimum height of thirty feet (30’) above the ground elevation at the edge of the clearing limits. It is the intent of this Contract for vegetation, except for any merchantable timber that the Contractor desires, to be mulched

onsite and left in place. Mulched material shall be spread such that no more than four inches (4") in depth of material is placed in any one location. This work shall be paid for under pay item 201-D: Random Clearing, per station. Each side of the roadway will be measured separately. Clearing within two feet (2') of fences, utilities, and other obstructions as directed by the Project Engineer within the ROW is to be omitted in order to avoid damages.

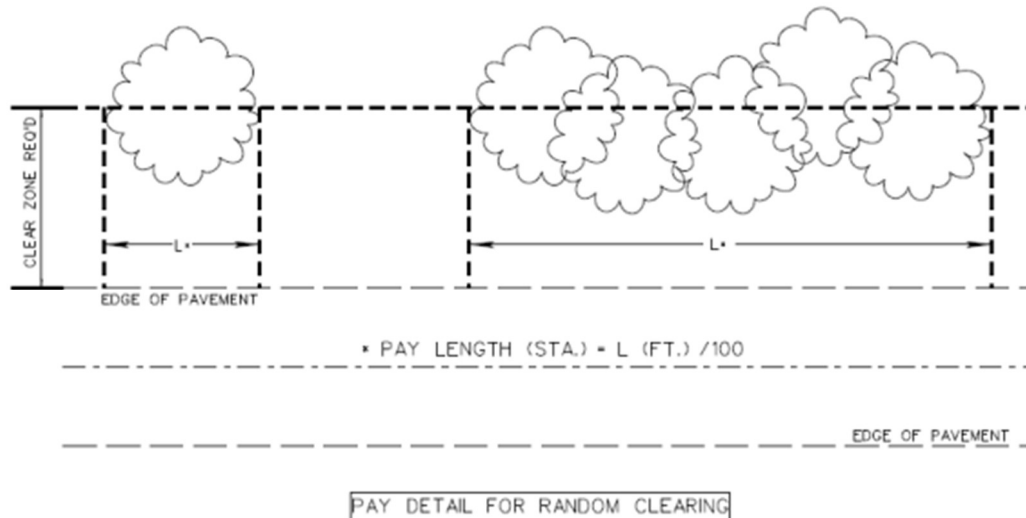
Where the above clearing limits would leave a stand of trees in the median less than 20 feet wide, those may also be removed at the discretion of the District Engineer. If roadside foreslopes are steeper than 3:1 or include other roadway features that would make tree removal infeasible, risk assessment should be conducted by the Project Engineer and Highway Safety Division.

NOTE: No magnolia trees or redbud trees within the ROW limits are to be removed without prior approval from the Project Engineer.

NOTE: Due care should be taken to prevent damage in areas within the ROW that are outside the clearing limits as shown in the table. Any disturbed areas not shown above will not be measured for separate payment and shall be reestablished at no additional cost to the Department.

NOTE: Herbicide shall be used for sprout control of cut stumps. Paint or spray freshly cut stump surface thoroughly covering cambium area next to bark until the herbicide runs down around the root collar. Treat stump as soon as practical after cutting for more effective control but no later than day of cutting except when spraying must be postponed due to inclement weather. Pine stumps and all other stumps larger than 15 inches in diameter do not require spraying for control of sprouting. Permissible herbicides are 2,4-D (amine); picloram +2,4-D; ammonium sulfamate; and dicamba. Specific requirements such as mixing, diluting, rate, application, use restrictions, safety precautions, etc. will be in accordance with the manufacturer's printed container label.

NOTE: Re-spraying will be required when the herbicide is washed off by rain within eight



hours of application or diluted to such an extent that it is rendered ineffective.

NOTE: Grinding of all stumps will be required to be flush with the ground.

2. Fine milling of the existing asphalt pavement to a depth of one and one-half (1.5) inches. Milling operations shall be on the mainline, local roads, crossovers, and driveway pads. Fifty (50%) percent or a maximum of 10,000 tons of the milling material obtained shall become the property of the Mississippi Department of Transportation. The Contractor will deliver the milling material to the Byhalia Lot located at 9181 HWY 178 W, Byhalia. The remainder of the milling will become the property of the Contractor. The Contractor shall provide all necessary equipment and qualified personnel to push material into a suitable stockpile.

Area	Quantity (SY)
I-22 Mainline and Shoulders	718,952
Ramps & Local Roads	107,935
Crossover	249
Total	846,056
Concrete Milling	451

NOTE: Payment for Fine Milling of Pavement will be made under Pay Item No. 406-D, per square yard, and payment for Cold Milling of Concrete Pavement will be made under Pay Item No. 406-B and shall include all costs associated with the milling operation.

NOTE: Milled surfaces are to be covered with asphalt within five (5) calendar days. The Contractor will be assessed a penalty of \$5,000 (five-thousand dollars) per calendar day afterwards until the milled surfaces are covered with the next lift of asphalt. It shall be the Contractor's responsibility to ensure that the milling operations do not commence until such time as forecasted weather conditions are suitable enough to allow the placement of the asphalt pavement after the milling operations.

NOTE: During this operation and prior to placement of the asphalt, due care shall be required to keep surface water from ponding on the roadway surface; continuous monitoring of the project may be required.

NOTE: During this operation and prior to placement of the asphalt, the contractor shall repair and maintain all potholes.

3. The contractor shall place the surface course on the previously milled surface.

Location	Type Mix	Area	Thickness	Asphalt
		SY	Inches	Tons
Mainline and Inside Shoulder	9.5mm, SMA	529,754	1.5	47,700
Outside Shoulder	9.5mm, ST	189,198	1.5	16,450
Crossover	9.5mm, ST	249	1.5	25
Ramps & Local Roads	9.5mm, ST	107,935	1.5	8,925

NOTE: No curve corrections have been set up on this project, but curve data shall be provided by the Project Engineer.

4. Placement of Granular Material Class 5, Group D on the shoulders as directed to raise the existing shoulders to the new surface course grade.

NOTE: Shoulders with existing adequate shoulder material in place shall be bladed to a slope of 4%; the cost of which shall be included in the prices of other items bid.

NOTE: Shoulders shall be bladed, shaped and compacted throughout the length of the project regardless of whether granular material is required.

NOTE: Granular material not required for the final shape of the shoulders may require removal under the pay item for excess excavation and may include small amounts of asphalt.

NOTE: Due care shall be taken during this operation to blade material to the roadway and away from the ditch line. Material inadvertently bladed to the roadway vegetation shall be removed at no cost to the Mississippi Department of Transportation.

5. Placement of Temporary Traffic Stripe daily as per Special Provisions Nos. 907-618.

6. Remove and replace guardrails as per the attached table. For guardrail posts currently driven into asphalt pavement, the Contractor is to saw cut and remove the asphalt and replace the guardrail as per SDGR-PI.

NOTE: The Contractor is to match the length, taper rate, and offset of the existing guardrail. The Contractor will be required to lay out the proposed rail for approval by the Project Engineer prior to installation.

7. Traffic stripe shall be removed from bridge decks and concrete pavement. The Contractor shall remove the existing stripe by an approved non-destructive method. Length of bridges is 3903 LF.

8. Place permanent pavement markings as required (Thermoplastic Striping, Reflective High Performance Raised Markers).

NOTE: Rumble strips shall be replaced on the CCC road as per RSP-26.

9. All existing post-mounted standard roadside signs estimated in the attached table shall be replaced. The Contractor shall deliver the removed signs to the Marshall County Maintenance Lot located at 185 Heritage Drive, Holly Springs. All signs and hardware shall be removed from post prior to delivery. The Contractor is required to verify the sign quantity prior to ordering materials. All hardware and footings required for the erection of new signs and posts shall be absorbed in other items of work.

Sign Quantity			
Pay Item	Description	Unit	Quantity
202-B	Removal of Sign	EA	244
202-B	Removal of Sign, Including Post and Footing	EA	77
630-A	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness	SF	564.745
630-A	Standard Roadside Signs, Sheet Aluminum, .1" Thickness	SF	402.34
630-A	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness	SF	941.26
630-C	Square Tube Post, 2.0 lb/ft	LF	870

NOTE: The Existing Pipe Post will remain in place for the new signs to be attached as shown in the Sign Table attached to the Scope of Work.

NOTE: The Contractor will not be allowed to use rivets for attaching signs to posts as shown on Working Number TSS-1. Contractor shall utilize a bolt, washer, and nut for connections as approved by the Project Engineer.

10. The Contractor is to follow repairs to the slopes and pipes as per the attached drawings. At Sta. 397+80 RT the Contractor is to pour a new PC-1 for the 48" RCP to reconnect to the inlet. Backfill and regrading around the settled area will be required. At Sta. 900+75 LT, the Contractor is to remove the flared end section, regrade the slopes, install a new 70 LF V-ditch with 100# rip rap, and pour a PC-1 and install a new flared end section on the existing 18" RCP.

The contractor shall provide all signs and traffic handling devices necessary to safely maintain traffic around or through the work areas.

The Engineer may direct the use of additional cones at County roads or intersections within lane closures and will be absorbed in Maintenance of Traffic.

Incidental work such as removing vegetation, shaping and compaction of shoulder, necessary and incidental grading of roadway ditches, and other incidental work that is necessary to complete the work will not be measured for separate payment and the cost will be included in the bid items provided.

Prior to grinding rumble strips, the Contractor shall mark the beginning and ending of these rumble strips. Temporary paint shall not be used solely as a final location of begin and end of rumble strip.

109258-301000 Guardrail Summary

Location	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Terminal End Section, Non-Flared (EA)	Bridge End Section Type H (EA)	Bridge End Section Type I (EA)	Cable Anchor (EA)	Delineator Removal (EA)	Delineators White (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
BR # 27.1 A&B	820	600	4			4		36	36	1016	696	131
BR # 31.2 A&B	828	625	4			4		38	38	1024	695	130
BR # 34.5 A&B	902	675	4		4			40	40	940	611	115
BR # 36.4 A&B	828	600	4		4			36	36	938	759	143
BR # 38.1	440	225	4		4			30	30	470	190	36
BR # 39.9 A&B	872	650	4		4			40	40	1048	780	147
BR # 41.0 A&B	852	625	4		4			38	38	944	594	112
BR # 41.2 A&B	860	650	4		4			40	40	986	644	121
BR # 42.0	450	250	4		4			30	30	465	150	29
Peyton Rd Bridge		450		2			2		14			
Railroad Bridge		450		2			2		14			
Jeffries Rd Bridge		212.5		1			1		7			
Bethany Rd Bridge		425		2			2		14			
Bypass St Bridge		500		2			2		14			
Total	6852	6938	36	9	28	8	9	328	391	7831	5119	964
	LF	LF	EA		EA	EA		EA	EA	LF	SY	TON

Landfill Road Bridge Guardrail Replacement (BR # 27.1 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type I (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	193+35	195+40	205	150.0	1		1	9	9		251	187	35.06
EB West Side	193+35	195+40	205	150.0	1		1	9	9		251	162	30.38
WB East Side	197+65	199+70	205	150.0	1		1	9	9		257	152	28.50
WB East Side	197+65	199+70	205	150.0	1		1	9	9		257	195	36.56
Total			820	600	4	0	4	36	36	0	1016	696	131
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Highway 7 Bridge Guardrail Replacement (BR # 31.2 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type I (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	407+92	410+00	208	162.5	1		1	10	10		284	187	35.06
EB West Side	407+92	410+00	208	162.5	1		1	10	10		284	180	33.75
WB East Side	413+50	415+56	206	150.0	1		1	9	9		228	188	35.25
WB East Side	413+50	415+56	206	150.0	1		1	9	9		228	140	26.25
Total			828	625	4	0	4	38	38	0	1024	695	130
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Musgray Road Bridge Guardrail Replacement (BR # 34.5 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	584+09	586+36	227	175.0	1		1	10	10		223	133	24.94
EB West Side	584+09	586+36	227	175.0	1		1	10	10		223	190	35.63
WB East Side	587+99	590+23	224	162.5	1		1	10	10		247	145	27.19
WB East Side	587+99	590+23	224	162.5	1		1	10	10		247	143	26.81
Total			902	675	4	0	4	40	40	0	940	611	115
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Big Spring Creek Bridge Guardrail Replacement (BR # 36.4 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	688+45	690+51	206	150.0	1		1	9	9		235	201	37.69
EB West Side	688+45	690+51	206	150.0	1		1	9	9		235	167	31.31
WB East Side	693+10	695+18	208	150.0	1		1	9	9		234	152	28.50
WB East Side	693+10	695+18	208	150.0	1		1	9	9		234	239	44.81
Total			828	600	4	0	4	36	36	0	938	759	143
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

CCC Road Bridge Guardrail Replacement (BR # 38.1)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
NW			140	87.5	1		1	8	8		150	50	9.38
NE			80	25.0	1		1	7	7		85	50	9.38
SW			80	25.0	1		1	7	7		85	20	3.75
SE			140	87.5	1		1	8	8		150	70	13.13
Total			440	225	4	0	4	30	30	0	470	190	36
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Railroad Bridge Guardrail Replacement (BR # 39.9 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	876+00	878+20	220	162.5	1		1	10	10		282	205	38.44
EB West Side	876+00	878+20	220	162.5	1		1	10	10		282	162	30.38
WB East Side	884+55	886+71	216	162.5	1		1	10	10		242	195	36.56
WB East Side	884+55	886+71	216	162.5	1		1	10	10		242	218	40.88
Total			872	650	4	0	4	40	40	0	1048	780	147
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Unnamed Creek Bridge Guardrail Replacement (BR # 41.0 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	938+80	940+96	216	162.5	1		1	10	10		242	150	28.13
EB West Side	938+80	940+96	216	162.5	1		1	10	10		242	143	26.81
WB East Side	492+80	494+90	210	150.0	1		1	9	9		230	166	31.13
WB East Side	492+80	494+90	210	150.0	1		1	9	9		230	135	25.31
Total			852	625	4	0	4	38	38	0	944	594	112
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Tippah River Bridge Guardrail Replacement (BR # 41.2 A&B)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
EB West Side	951+04	953+20	216	162.5	1		1	10	10		243	158	29.63
EB West Side	951+04	953+20	216	162.5	1		1	10	10		243	121	22.69
WB East Side	964+22	966+36	214	162.5	1		1	10	10		250	198	37.13
WB East Side	964+22	966+36	214	162.5	1		1	10	10		250	167	31.31
Total			860	650	4	0	4	40	40	0	986	644	121
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Bypass Street Bridge Guardrail Replacement (BR # 42.0)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)	Sawcut (LF)	Removal of Asphalt Shoulder (SY)	Granular Material Class 5 Group D (TON)
NW			80	25.0	1		1	7	7		85	20	3.75
NE			145	100.0	1		1	8	8		145	30	5.63
SW			145	100.0	1		1	8	8		145	70	13.13
SE			80	25.0	1		1	7	7		90	30	5.63
Total			450	250	4	0	4	30	30	0	465	150	29
			LF	LF	EA	EA	EA	EA	EA	EA	LF	SY	TON

Pier Protection for Peyton Rd (BR # 30.0)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Non-Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)
EB outside	346+83	349+52		225.0	1	1			7	
WB outside	351+88	349+18		225.0	1	1			7	
Total			0	450	2	2	0	0	14	0
			LF	LF	EA	EA	EA	EA	EA	EA

Pier Protection for Railroad Bridge

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Non-Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)
EB outside	458+43	461+12		225.0	1	1			7	
WB outside	463+08	460+38		225.0	1	1			7	
Total			0	450	2	2	0	0	14	0
			LF	LF	EA	EA	EA	EA	EA	EA

Pier Protection for Jeffries Road Bridge (BR # 37.3)

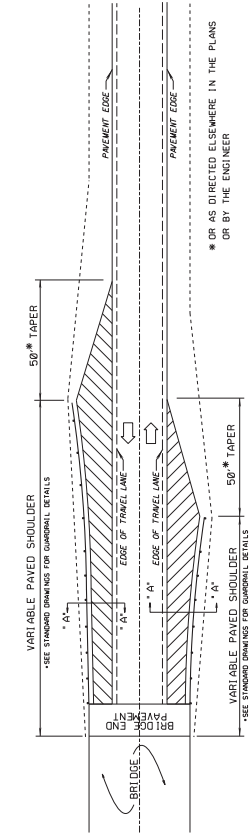
Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Non-Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)
EB inside	733+63	736+32		212.5	1	1			7	
Total			0 LF	212.5 LF	1 EA	1 EA	0 EA	0 EA	7 EA	0 EA

Pier Protection for Bethany Road Bridge (BR # 40.6)

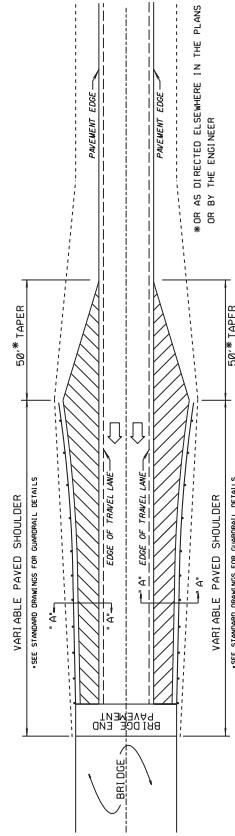
Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Non-Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)
EB outside	916+63	919+32		212.5	1	1			7	
WB inside	921+58	919+01		212.5	1	1			7	
Total			0 LF	425 LF	2 EA	2 EA	0 EA	0 EA	14 EA	0 EA

Pier Protection for Bypass Street Bridge (BR # 42.0)

Location	Starting Station	Ending Station	Guardrail Removal (LF)	W-beam (LF)	Terminal End Section, Non-Flared (EA)	Cable Anchor (EA)	Bridge End Section Type H (EA)	Delineator Removal (EA)	Delineators White (EA)	Delineators Yellow (EA)
EB outside	994+33	997+02		250.0	1	1			7	
WB outside	999+68	996+73		250.0	1	1			7	
Total			0 LF	500 LF	2 EA	2 EA	0 EA	0 EA	14 EA	0 EA



TYPICAL DETAIL OF PAVED SHOULDERS AT BRIDGE ENDS
(2-WAY TRAFFIC)

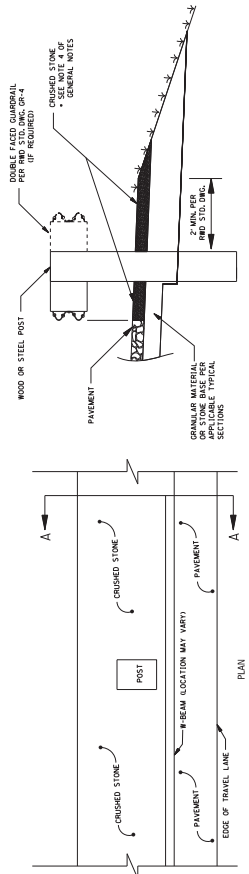


TYPICAL DETAIL OF PAVED SHOULDERS AT BRIDGE ENDS
(1-WAY TRAFFIC)

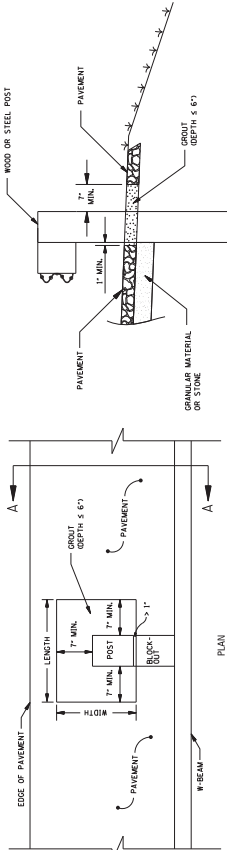
- GENERAL NOTES FOR CRUSHED STONE OPTION
1. QUARRIES POSTS SHALL NOT BE COMPLETELY SURROUNDED BY PAVEMENT. PAVEMENT EDGE SHOULD BE LOCATED NEAR THE QUARRIES POST, BUT WILL NOT BE CLOSER THAN 1 TO THE QUARRIES POST.
2. PAVEMENT LEAVE-OUT AREAS ARE REQUIRED FOR STEEL AND WOOD POSTS.
3. STANDARD EMBLEMMENT DEPTHS STILL APPLY, AS MEASURED FROM THE TOP OF THE PROTECTED PAVEMENT SURFACE.
4. IMMEDIATELY PRIOR TO PLACING CRUSHED STONE ON THE DRIVEWAY WITH A SOIL STEERING, THE SOIL STEERING SHALL BE APPLIED AT THE MAXIMUM RATE RECOMMENDED ON THE MANUFACTURERS' INSTRUCTIONS. CRUSHED STONE SHALL BE APPLIED TO THE SOIL STEERING THAT IS APPROVED BY THE ENGINEER. MAY BE USED SEPARATE PAVEMENT WILL NOT BE MADE FOR TREATING THE GUARDRAIL WITH SOIL STEERING.
5. PAYMENT FOR CONSTRUCTION OF NEW STRIPS FOR THIS OPTION SHALL BE BASED ON THE PAY ITEM STRIPS (CRUSHED STONE, GRANULAR MATERIAL, ASPHALT ETC).
6. THIS OPTION MAY BE USED FOR APPLICATIONS OF DOUBLE-FACED

- GENERAL NOTES FOR GROUT OPTION
1. GUARANTEED POSTS SHALL NOT BE COMPLETELY SURROUNDED BY GROUT. GROUT SHALL BE PLACED TO A MINIMUM OF 1" CLEARANCE FROM THE POST SHALL HAVE A MINIMUM 4" CLEARANCE FROM THE SURROUNDING GROUT. THE GROUT SHALL BE FILLER WITH A MINIMUM 10,000 PSI STRENGTH GROUT WITH A MAXIMUM OF 20% COMPRESSIVE STRENGTH OF 128 PSI.
 2. GROUT SHALL BE PLACED AT A DEPTH EQUAL TO THE SURROUNDING PAVEMENT UP TO A MAXIMUM OF 6". IF THE GROUT IS PLACED AT A DEPTH GREATER THAN 6", THE DIFFERENCE SHALL BE FILLED IN WITH SHOULDER GRANULAR MATERIAL.
 3. PAVEMENT LEAVE-OUT AREAS ARE REQUIRED FOR STEEL AND WOOD POSTS.
 4. STANDARD EMBEMENT PROEPTS STILL APPLY MEASURED FROM THE TOP OF THE PROTECTED SURFACE.
 5. COST FOR GROUT FORMING OR REMOVAL OF ASPHALT, AND OTHER MATERIALS TO BE ASSIGNED TO OTHER ITEMS. THE WORK FOR LEAVE-OUT WORK WILL BE ASSIGNED TO OTHER ITEMS.

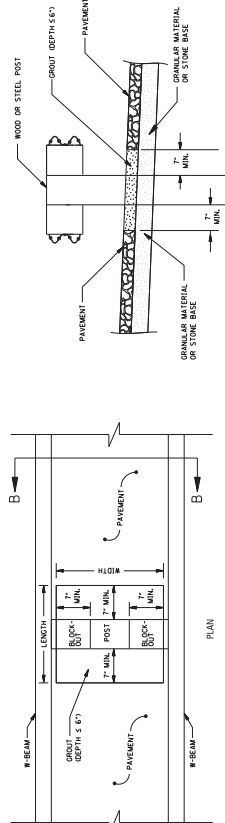
		SINGLE-FACED		DOUBLE-FACED	
POST		LENGTH (IN.)	WIDTH (IN.)	LENGTH (IN.)	WIDTH (IN.)
6" x 8"	WOOD	20	15	20	22
8" x 8"	WOOD	22	15	22	22
10" x 10"	WOOD	24	17	24	24
10" x 10"	CEST	18	13	18	20



SECTION A-A



SECTION A-A



SECTION B-8

1. THE CRUSHED STONE OPTION WILL BE USED FOR SINGLE-FACED GUARD RAIL PAD APPLICATIONS AND DOUBLE-FACED APPLICATIONS AS SHOWN ON GR-4 UNLESS SPECIFICALLY DIRECTED IN THE PLANS.
2. THE ALTERNATIVES SHOWN HEREON APPLY TO ALL GUARDRAIL CONSTRUCTION WHERE MOW STRIPS ARE ADDED.
3. DIMENSIONS OF GUARDRAIL, PLACEMENT AND SHOULDER WIDTHS/SLOPES BEHIND GUARDRAIL POSTS SHALL CONFORM TO APPLICABLE GUARDRAIL DETAILS AND TYPICALS.
4. FOR OVERLAY PROJECTS, THE EXISTING SHOULDER WILL BE EXCAVATED AND A MINIMUM DEPTH OF 3" CRUSHED STONE WILL BE PLACED ON THE SHOULDER. FOR NEW CONSTRUCTION, THE GUARDRAIL MATERIAL TYPE WILL CONFORM TO THE APPLICABLE TYPICAL SECTIONS AND A MINIMUM DEPTH OF 3" OF CRUSHED STONE WILL BE PLACED ON THE SHOULDER IN THE AREA BELOW THE GUARDRAIL. THE CRUSHED STONE SHALL BE PLACED TO THE DOWNSTREAM TERMINUS OF THE PAD. CRUSHED STONE IN THIS AREA WILL EXTEND FROM THE ASPHALT TO THE SHOULDER BREAK AS SHOWN.

Random Clearing EB

Starting Station	Ending Station	Length (ft)	No. of Stations
145+50	152+00	650	6.5
152+50	154+10	160	1.6
157+40	185+80	2840	28.4
216+00	222+00	600	6
226+00	239+60	1360	13.6
244+00	274+00	3000	30
274+40	274+90	50	0.5
276+70	277+70	100	1
278+50	309+60	3110	31.1
310+60	313+40	280	2.8
315+20	316+00	80	0.8
317+20	318+00	80	0.8
319+00	320+00	100	1
324+20	329+00	480	4.8
329+80	348+60	1880	18.8
350+20	359+00	880	8.8
360+80	363+30	250	2.5
368+00	368+80	80	0.8
376+00	380+50	450	4.5
382+00	394+00	1200	12
438+00	438+80	80	0.8
441+00	441+50	50	0.5
447+20	448+00	80	0.8
453+00	460+50	750	7.5
461+80	496+60	3480	34.8
497+80	543+60	4580	45.8
545+60	546+20	60	0.6
553+00	586+15	3315	33.15
588+20	599+50	1130	11.3
603+20	618+80	1560	15.6
622+00	637+20	1520	15.2
644+00	645+60	160	1.6
651+20	653+50	230	2.3
656+40	659+00	260	2.6
660+80	661+60	80	0.8
666+80	668+00	120	1.2
670+40	689+00	1860	18.6
700+00	704+50	450	4.5
707+60	708+20	60	0.6
710+00	712+20	220	2.2
727+00	730+50	350	3.5
740+00	743+00	300	3
747+60	748+20	60	0.6
750+00	755+00	500	5

758+60	759+00	40	0.4	
761+00	765+00	400	4	
807+40	808+80	140	1.4	
810+30	811+80	150	1.5	
812+50	814+00	150	1.5	
815+20	815+60	40	0.4	
821+50	827+00	550	5.5	
830+00	830+15	15	0.15	
832+50	838+00	550	5.5	
839+50	840+50	100	1	
849+40	858+00	860	8.6	
860+50	873+40	1290	12.9	
875+20	875+40	20	0.2	
877+70	878+00	30	0.3	
884+60	893+40	880	8.8	
901+50	911+20	970	9.7	
912+80	918+60	580	5.8	
920+60	921+20	60	0.6	
921+90	923+00	110	1.1	
924+00	925+20	120	1.2	
926+20	926+60	40	0.4	
927+00	927+40	40	0.4	
929+00	931+60	260	2.6	
934+60	936+40	180	1.8	
944+20	944+80	60	0.6	
956+00	958+60	260	2.6	
960+60	964+00	340	3.4	
976+00	977+00	100	1	
1020+00	1022+20	220	2.2	
1023+40	1023+80	40	0.4	*must be mulched in place
1025+20	1025+60	40	0.4	*must be mulched in place

Total EB**475.2****STA****Random Clearing WB**

Starting Station	Ending Station	Length (ft)	No. of Stations
143+70	144+00	30	0.3
147+80	153+80	600	6
155+40	157+40	200	2
159+40	162+00	260	2.6
166+20	167+80	160	1.6
170+50	173+00	250	2.5
177+60	180+00	240	2.4
181+00	182+40	140	1.4
216+00	217+00	100	1
219+00	219+60	60	0.6

223+60	225+40	180	1.8
228+00	234+40	640	6.4
236+00	237+00	100	1
238+00	243+00	500	5
244+80	245+60	80	0.8
248+80	249+20	40	0.4
258+80	259+20	40	0.4
260+40	266+00	560	5.6
269+00	277+40	840	8.4
278+80	308+60	2980	29.8
312+80	321+00	820	8.2
323+60	347+40	2380	23.8
351+00	364+60	1360	13.6
378+80	386+60	780	7.8
390+00	390+40	40	0.4
392+80	393+20	40	0.4
394+60	394+80	20	0.2
432+00	432+20	20	0.2
442+40	447+00	460	4.6
448+40	460+00	1160	11.6
461+30	493+60	3230	32.3
496+00	541+00	4500	45
542+60	544+20	160	1.6
546+80	547+00	20	0.2
547+40	549+00	160	1.6
549+80	555+50	570	5.7
556+80	559+60	280	2.8
562+40	566+00	360	3.6
567+00	573+70	670	6.7
575+20	575+80	60	0.6
578+40	586+20	780	7.8
588+20	602+60	1440	14.4
606+20	608+60	240	2.4
610+20	611+60	140	1.4
613+00	618+00	500	5
626+30	626+50	20	0.2
631+50	634+00	250	2.5
637+40	638+80	140	1.4
653+00	654+00	100	1
656+20	657+20	100	1
661+60	662+00	40	0.4
670+90	671+10	20	0.2
671+90	672+40	50	0.5
675+00	682+00	700	7
684+80	690+00	520	5.2
693+00	699+00	600	6
713+00	715+60	260	2.6

721+00	724+50	350	3.5	
727+00	728+50	150	1.5	
732+50	734+00	150	1.5	
742+80	746+20	340	3.4	
749+00	750+20	120	1.2	
757+60	757+80	20	0.2	
805+00	806+50	150	1.5	
812+40	813+60	120	1.2	
820+00	821+00	100	1	
822+40	822+60	20	0.2	
825+60	826+20	60	0.6	
827+00	827+60	60	0.6	
835+50	836+50	100	1	
841+00	842+50	150	1.5	
844+60	846+40	180	1.8	
854+00	854+40	40	0.4	
860+80	861+20	40	0.4	
861+80	863+00	120	1.2	
866+80	872+00	520	5.2	
888+00	891+00	300	3	
899+00	904+00	500	5	
907+00	909+40	240	2.4	
910+60	911+00	40	0.4	
914+00	917+00	300	3	
921+40	927+00	560	5.6	
934+00	934+60	60	0.6	
953+80	954+20	40	0.4	
960+60	964+00	340	3.4	
974+20	975+00	80	0.8	
1017+40	1018+00	60	0.6	
1022+60	1023+60	100	1	*must be mulched in place
1025+00	1026+60	160	1.6	*must be mulched in place

Total WB**365.6****STA**

Ramps

Location	Length	No. of Stations
<u>Landfill Road</u>		
EB Off Ramp	110	1.1
EB On Ramp	1090	10.9
WB Off Ramp	310	3.1
WB On Ramp	704	7.04
<u>Highway 7</u>		
EB Off Ramp	710	7.1
EB On Ramp	100	1

WB Off Ramp	926	9.26
WB On Ramp	0	0
<u>Lake Crater</u>		
EB Off Ramp	60	0.6
EB On Ramp	160	1.6
WB Off Ramp	180	1.8
WB On Ramp	140	1.4
<u>Potts Camp</u>		
EB Off Ramp	160	1.6
EB On Ramp	120	1.2
WB Off Ramp	260	2.6
WB On Ramp	140	1.4

Total Ramps

51.7

STA

Random Clearing

Overall Total

892.5

STA

I22 Marshall - IM-0006-01(106)/109258-301000

Station #	Lane	Sign Description	Sign Code	Width in.	Height in.	Type 3 OM 630-G	0.08" 630-A	0.125" 630-A	0.1" 630-A	Removal of Sign including Post and Footing 202-B	Removal Sign 202-B	2# square tube 630-C	Notes
145+40	W	Slower Trffc Keep Rt	R4-3	36	48			12			1		Reuse pipe post
155+00	W	Keep off median	R11-1	48	36			12				15	Missing
160+60	W	MINIMUM 40	R2-4	48	36			12			1		Reuse pipe post - same post
		Speed Limit 70	R2-1	48	60			20			1		
160+90	E	Mile 2 Digits	D10-2	12	36		3			1		15	
161+10	W	Mile 2 Digits	D10-2	12	36		3			1		15	
170+90	W	West	M3-4	24	12		2				1		Missing
		US 78	M1-4	24	24		4					15	
171+30	W	West (blue/white)	M3-104A	30	15		3.13				1		Reuse pipe post - same post
		INTERSTATE ROUTE I-22	M1-1	24	24		4				1		
		West	M3-4	24	12		2				1		
		US 78	M1-4	24	24		4				1		
184+60	E	RAMP 30 MPH	W13-3	48	60			20			1		Reuse pipe post
189+90	E	Bridge Ices Before Road	W8-13	48	48			16			1		Reuse pipe post
192+10	W	Merge Right	W4-1R	48	48			16			1		Reuse pipe post
192+20	E	HOSPITAL (SYMBOL)	D9-2	24	24		4				1		Mount on original I-beam
192+20	E	Wrong Way	R5-1a	42	30				8.75		1		
192+20	E	Left Arrow (blue/white)	M6-1LA	21	15		2.19				1		
193+00	E	Wrong Way	R5-1a	42	30				8.75		1		
194+60	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
195+00	E	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
195+60	W	Yield	R1-2	36					3.9	1		15	
196+00	E	Stop	R1-1	36	36				7.46		1		Reuse pipe post
197+20	E	Yield	R1-2	36					3.9	1		15	
198+10	W	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1					1		
199+00	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1					1		
199+80	W	HOSPITAL (SYMBOL)	D9-2	24	24		4				1		Mount on original I-beam
199+80	W	Right Arrow (blue/white)	M6-1RA	21	15		2.19				1		
199+80	W	Wrong Way	R5-1a	42	30				8.75		1		
199+80	W	Wrong Way	R5-1a	42	30				8.75		1		Reuse pipe post
202+30	E	Merge Right	W4-1R	48	48			16			1		Reuse pipe post
202+90	W	Bridge Ices Before Road	W8-13	48	48			16			1		Reuse pipe post
209+20	E	One Way Right	R6-2R	18	24		3			1		15	
209+20	W	RAMP 30 MPH	W13-3	48	60			20			1		Reuse pipe post
209+40	E	Mile 2 Digits	D10-2	12	36		3			1		15	
214+40	W	Mile 2 Digits	D10-2	12	36		3			1		15	
223+00	E	East	M3-2	24	12		2				1		Reuse pipe post - same post
		US 78	M1-4	24	24		4				1		
		INTERSTATE ROUTE I-22	M1-1	24	24		4				1		
		East (blue/white)	M3-102A	30	15		3.13				1		
234+40	E	COMBINED SPEED LIMIT 70/40	R2-4A	48	96			32			1		
240+90	E	Keep Off Median	R11-1	48	60			20			1		
267+00	E	Mile 2 Digits	D10-2	12	36		3			1		15	
267+20	W	HOSPITAL (SYMBOL)	D9-2	24	24		4				1		Reuse post

267+60	W	Mile 2 Digits	D10-2	12	36		3			1		15	
294+20	W	Keep Off Median	R11-1	48	60			20				15	Missing
320+80	E	Mile 2 Digits	D10-2	12	36		3			1		15	
321+40	W	Mile 2 Digits	D10-2	12	36		3			1		15	
348+00	E	HOSPITAL	D9-2	36	36				9		1		Reuse post
353+40	E	Mile 2 Digits	D10-2	12	36		3			1		15	
353+50	W	Keep Off Median	R11-1	36	48			12			1		
377+60	W	MINIMUM 40	R2-4	48	36			12			1		Reuse pipe post - same post
	W	Speed Limit 70	R2-1	48	60			20			1		
385+90	W	West (blue/white)	M3-104A	30	15		3.13				1		Reuse pipe post - same post
		INTERSTATE ROUTE I-22	M1-1	24	24		4				1		
		West	M3-4	24	12		2				1		
		US 78	M1-4	24	24		4				1		
401+00	E	RAMP 30 MPH	W13-2	48	60			20			1		Reuse pipe post
401+60	W	One Way Right	R6-2R	18	24		3			1		15	
405+80	E	Bridge Ices Before Road	W8-13	48	48			16			1		Reuse pipe post
408+00	W	Merge Right	W4-1R	48	48			16			1		Reuse pipe post
409+60	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
409+60	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
409+80	E	TOURIST INFORMATION	D9-10	18	18		2.25				1		Mount on original I-beam
		Left Arrow (blue/white)	M6-1LA	21	15		2.19				1		
409+80	E	Left Arrow (blue/white)	M6-1LA	21	15		2.19				1		
		HOSPITAL (SYMBOL)	D9-2	18	18		2.25				1		
409+80	E	WRONG WAY	R5-1a	42	30				8.75		1		
410+00	E	WRONG WAY	R5-1a	42	30				8.75		1		Reuse pipe post
414+00	E	Yield	R1-2	36					3.9		1		Reuse pipe post
414+40	W	HOSPITAL (SYMBOL)	D9-2	24	24		4				1		Mount on original I-beam
		Right Arrow (blue/white)	M6-1RA	21	15		2.19				1		
414+40	W	TOURIST INFORMATION	D9-10	18	18		2.25				1		
		Right Arrow (blue/white)	M6-1RA	24	6		1				1		
414+40	W	WRONG WAY	R5-1a	42	30				8.75		1		
414+40	W	WRONG WAY	R5-1a	42	30				8.75		1		Reuse pipe post
417+80	E	Merge Right	W4-1R	48	48			16			1		Reuse pipe post
419+00	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9		1		Reuse pipe post
422+80	W	TRAILER CAMPING (SYMBOL)	RM-020	24	24		4				1		Reuse post
424+80	W	RAMP 30 MPH	W13-3	48	60			20			1		Reuse pipe post
426+00	E	ONE WAY (RIGHT)	R6-2R	36	48			12		1		15	
426+00	W	Mile 2 Digits	D10-2	12	36		3			1		15	
426+50	E	Mile 2 Digits	D10-2	12	36		3			1		15	
440+60	E	East	M3-2	24	12		2				1		Reuse pipe post
		US 78	M1-4	24	24		4				1		
		INTERSTATE ROUTE I-22	M1-1	24	24		4				1		
		East (blue/white)	M3-102A	30	15		3.13						
450+80	E	MINIMUM 40	R2-4	48	36			12			1		Reuse pipe post
450+80	E	Speed Limit 70	R2-1	48	60			20			1		Reuse pipe post
456+20	E	Keep Off Median	R11-1	48	60			20			1		Reuse pipe post
469+20	E	Slower Trffc Keep Rt	R4-3	48	60			20			1		Reuse pipe post

474+80	W	HOSPITAL (SYMBOL)	D9-2	24	24		4			1		Reuse post
479+20	E	Mile 2 Digits	D10-2	12	36		3		1		15	
479+40	W	Mile 2 Digits	D10-2	12	36		3		1		15	
532+80	E	Mile 2 Digits	D10-2	12	36		3		1		15	
532+80	W	Mile 2 Digits	D10-2	12	36		3		1		15	
556+50	W	Keep Off Median	R11-1	48	60			20			15	Missing
580+20	E	Bridge Ices Before Road	W8-13	48	48			16		1		Reuse pipe post
582+60	W	Mile 2 Digits	D10-2	12	36		3		1		15	
585+20	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1			1			
585+20	E	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1			1			
588+80	W	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1		
588+80	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1		
593+70	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9	1		Reuse pipe post
635+40	E	Mile 2 Digits	D10-2	12	36		3		1		15	
636+20	W	Mile 2 Digits	D10-2	12	36		3		1		15	
682+00	E	Mile 2 Digits	D10-2	12	36		3		1		15	
682+40	W	Mile 2 Digits	D10-2	12	36		3		1		15	
784+60	E	Bridge Ices Before Road	W8-13	48	48			16		1		Reuse pipe post
689+60	E	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1			1			
689+60	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1			1			
693+40	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1		
693+40	W	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1		
798+60	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9	1		Reuse pipe post
736+00	W	Keep off median	R11-1	48	36			12		1		Reuse pipe post
740+60	W	Mile 2 Digits	D10-2	12	36		3		1		15	
741+00	E	Mile 2 Digits	D10-2	12	36		3		1		15	
742+29	W	MINIMUM 40	R2-4	48	36			12		1		Reuse pipe post
742+20	W	Speed Limit 70	R2-1	48	60			20		1		Reuse pipe post
742+40	W	Keep Off Median	R11-1	48	60			20		1		Reuse pipe post
752+30	W	West (blue/white)	M3-104A	30	15		3.13			1		Reuse pipe post
		INTERSTATE ROUTE I-22	M1-1	24	24		4			1		
		West	M3-4	24	12		2			1		
		US 78	M1-4	24	24		4			1		
767+40	E	RAMP 30 MPH	W13-3	48	60			20		1		Reuse pipe post
773+80	W	One Way Right	R6-2R	24	30				5	1		15
775+60	W	Merge Right	W4-1R	48	48			16		1		Reuse pipe post
778+20	E	Wrong Way	R5-1a	42	30				8.75	1		Reuse post
778+40	E	Wrong Way	R5-1a	42	30				8.75	1		Reuse pipe post
781+00	W	Yield	R1-2	36	36				3.9	1		15
781+80	E	Do Not Enter	R5-1	36	36				9	1		Reuse pipe post - same post
		Yield	R1-2	36	36				3.9	1		
781+80	E	Stop	R1-1	48	48			13.26		1		Reuse pipe post - same post
		Do Not Enter	R5-1	36	36				9	1		
781+80	E	Yield	R1-2	36	36				3.9	1		15
781+80	E	Do Not Enter	R5-1	36	36				9	1		Reuse pipe post - same post
		Stop	R1-1	36	36				7.84	1		
786+60	W	Wrong Way	R5-1a	42	30				8.75	1		Reuse post

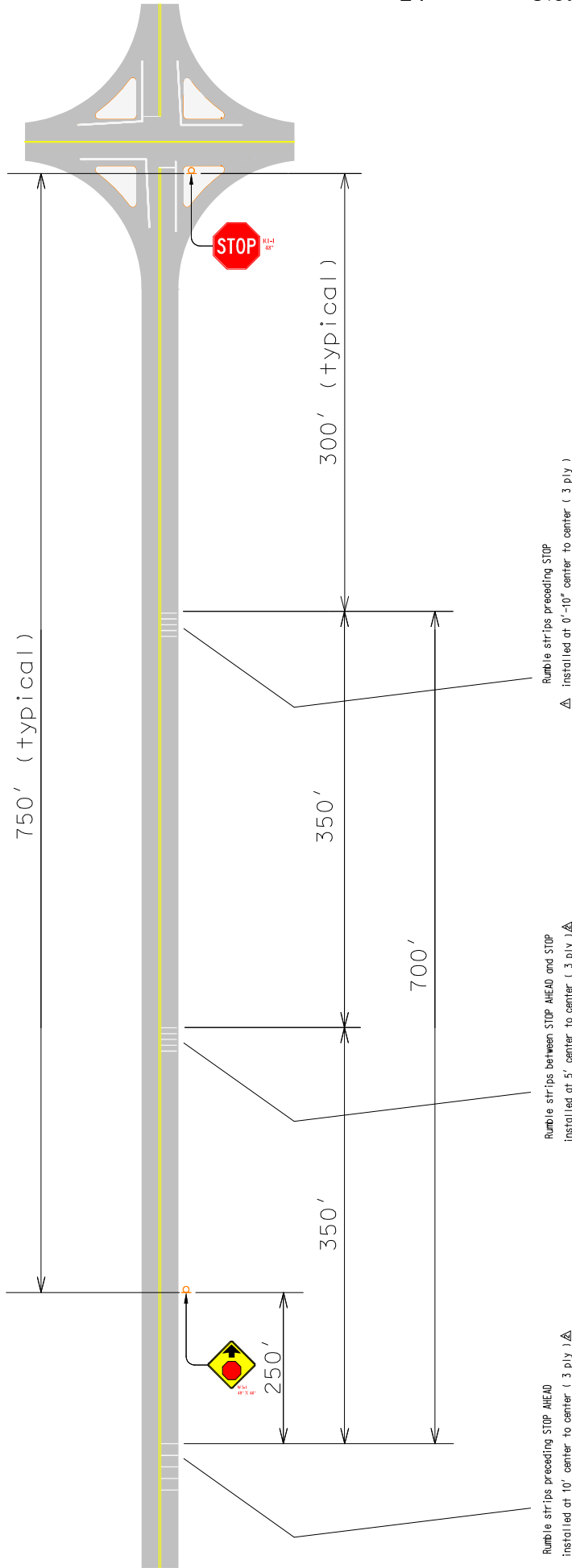
786+60	W	Wrong Way	R5-1a	42	30				8.75		1		Reuse pipe post
789+40	E	Merge Right	W4-1R	48	48			16			1		Reuse pipe post
793+10	W	Mile 2 Digits	D10-2	12	36		3			1		15	
793+10	E	Mile 2 Digits	D10-2	12	36		3			1		15	
794+00	W	Exit	E5-1	72	60			30			1		Reuse post
796+10	S	ONE WAY (RIGHT)	R6-2R	36	48			12		1		15	
802+90	W	RAMP 30 MPH	W13-2	48	60			20			1		Reuse pipe post
803+10	W	Overlay-Solid Ext.	NA	72	60			30			1		Reuse post
813+60	E	East	M3-2	24	12		2				1		Reuse pipe post
		US 78	M1-4	24	24		4				1		
		INTERSTATE ROUTE I-22	M1-1	24	24		4				1		
		East (blue/white)	M3-102A	30	15		3.13				1		
826+10	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
826+10	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
827+00	E	Speed Limit 70	R2-1	48	60			20			1		Reuse pipe post
827+00	E	MINIMUM 40	R2-4	48	36			12			1		Reuse pipe post
832+10	E	Keep Off Median	R11-1	48	60			20			1		Reuse pipe post
845+80	E	Mile 2 Digits	D10-2	12	36		3			1		15	
845+80	W	Mile 2 Digits	D10-2	12	36		3			1		15	
870+10	E	BRIDGE ICES BEFORE ROAD	W8-13	36	36						1		Reuse pipe post
877+00	E	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
877+10	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
885+00	W	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
885+00	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
890+50	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9		1		Reuse pipe post
898+80	W	Mile 2 Digits	D10-2	12	36		3			1		15	
898+80	E	Mile 2 Digits	D10-2	12	36		3			1		15	
935+20	E	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9		1		Reuse pipe post
940+20	E	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
940+20	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
943+00	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
943+10	W	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
947+80	E	Bridge Ices Before Road	W8-13	48	48			16			1		Reuse pipe post
949+00	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9		1		Reuse pipe post
949+20	W	Keep Off Median	R11-1	36	48			12			1		Reuse pipe post
952+00	E	Mile 2 Digits	D10-2	12	36		3			1		15	
952+20	W	Speed Limit 70	R2-1	48	60			20			1		Reuse pipe post
952+20	W	MINIMUM 40	R2-4	48	36			12			1		Reuse pipe post
952+20	W	Mile 2 Digits	D10-2	12	36		3			1		15	
964+50	E	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
964+50	E	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
964+50	W	TYPE 3 OBJECT MARKER (Left of Roadway)	OM-3L	12	36	1				1			
964+50	W	TYPE 3 OBJECT MARKER (Right of Roadway)	OM-3R	12	36	1				1			
967+80	W	West (blue/white)	M3-104A	30	15		3.13				1		Reuse pipe post
		INTERSTATE ROUTE I-22	M1-1	24	24		4				1		Reuse pipe post
		West	M3-4	24	12		2				1		Reuse pipe post
		US 78	M1-4	24	24		4				1		Reuse pipe post

969+80	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36			9		1		Reuse pipe post
983+00	E	RAMP 30 MPH	W13-2	48	60		20			1		Reuse pipe post
985+10	W	One Way Right	R6-2R	24	30			5	1		15	
990+80	W	Merge Right	W4-1R	48	48		16			1		Reuse pipe post
992+40	E	WRONG WAY	R5-1a	42	30			8.75		1		Reuse pipe post
992+50	E	WRONG WAY	R5-1a	42	30			8.75		1		Reuse post
992+80	E	To	M4-5	24	12	2				1		Reuse pipe post
		SR 178	M1-5	30	24	5				1		
		Arrow Angle Right	M6-2R	21	15	2.19				1		
		To	M4-5	24	12	2				1		
		SR 349	M1-5	30	24	5				1		
		Arrow Angle Right	M6-2R	21	15	2.19				1		
996+00	E	One Way Right	R6-1R	36	12	3				1		Reuse pipe post
996+00	E	One Way Right	R6-1R	36	12	3				1		Reuse pipe post
996+00	E	One Way Left	R6-1L	36	12	3				1		Reuse pipe post
996+00	E	One Way Left	R6-1L	36	12	3				1		Reuse pipe post
997+90	W	Do Not Enter	R5-1	36	36			9		1		Reuse pipe post
997+90	W	Stop	R1-1	36	36			7.46		1		Reuse pipe post
997+90	W	One Way Right	R6-1R	36	12	3				1		Reuse pipe post
997+90	W	One Way Left	R6-1L	36	12	3				1		Reuse pipe post
998+00	W	Stop	R1-1	36	36			7.46		1		Reuse pipe post
998+00	W	One Way Left	R6-1L	36	12	3				1		Reuse pipe post
998+00	W	One Way Right	R6-1R	36	12	3				1		Reuse pipe post
998+00	W	Do Not Enter	R5-1	36	36			9		1		Reuse pipe post
1001+00	E	To	M4-5	24	12	2				1		Reuse pipe post
		SR 178	M1-5	30	24	5				1		
		Left Arrow	M6-1L	21	15	2.19				1		
		To	M4-5	24	12	2				1		
		SR 349	M1-5	30	24	5				1		
		Left Arrow	M6-1L	21	15	2.19				1		
1002+60	W	WRONG WAY	R5-1a	42	30			8.75		1		Reuse post
1002+60	W	Wrong Way	R5-1a	42	30			8.75		1		Reuse pipe post
1004+40	E	Mile 2 Digits	D10-2	12	36	3			1		15	
1005+00	E	Merge Right	W4-1R	48	48		16			1		Reuse pipe post
1009+70	E	One Way Right	R6-2R	24	30			5	1		15	
1011+90	W	RAMP 30 MPH	W13-3	48	60		20			1		Reuse pipe post
	S	Left Curve	W1-2L	36	36		9		1		15	
	N	Jct (blue/white)	M2-1PA	21	15	2.1875				1		Reuse pipe post - same post
		I-22	M1-1A	24	24	4				1		
		Jct	M2-1P	21	15	2.1875				1		
		US 78	M1-4	24	24	4				1		
	N	BRIDGE ICES BEFORE ROAD	W8-13	36	36			9	1		15	
		West (blue/white)	M3-4PA	24	12	2				1		
		I-22	M1-1A	24	24	4				1		
		Up Arrow (blue/white)	M6-3PA	21	15	2.1875				1		
		West	M3-4	24	12	2				1		
		US 78	M1-4	24	24	4				1		

CCC Road	N	Up Arrow	M6-3P	21	15		2.1875				1		Reuse pipe post - same post
		East (blue/white)	M3-2PA	24	12		2				1		
		I-22	M1-1A	24	24		4				1		
		Right Angle Arrow (blue/white)	M6-2RPA	21	15		2.1875				1		
		East	M3-2PA	24	12		2				1		
		US 78	M1-4	24	24		4				1		
		Right Angle Arrow	M6-2RP	21	15		2.1875				1		
	S	East (blue/white)	M3-2PA	24	12		2				1		Reuse pipe post - same post
		I-22	M1-1A	24	24		4				1		
		Left Arrow (blue/white)	M6-1PLA	21	15		2.1875				1		
		East	M3-2PA	24	12		2				1		
		US 78	M1-4	24	24		4				1		
		Left Arrow	M6-1PL	21	15		2.1875				1		
			OM-3			2							
			OM-3			2							
	N	West	M3-4PA	24	12		2			1		15	Same post
		SR 178	M1-5	30	24		5				1		
		Left Arrow	M6-1PL	21	15		2.1875				1		
	N	West (blue/white)	M3-4PA	24	12		2				1		Reuse pipe post - same post
		I-22	M1-1A	24	24		4				1		
		Left Arrow (blue/white)	M6-1PLA	21	15		2.1875				1		
		West	M3-4PA	24	12		2				1		
		US 78	M1-4	24	24		4				1		
		Left Arrow	M6-1PL	21	15		2.1875				1		
	S	East (blue/white)	M3-2PA	24	12		2				1		Reuse pipe post - same post
		I-22	M1-1A	24	24		4				1		
		Up Arrow (blue/white)	M6-3PA	21	15		2.1875				1		
		East	M3-2PA	24	12		2				1		
		US 78	M1-4	24	24		4				1		
		Up Arrow	M6-3P	21	15		2.1875				1		
		West (blue/white)	M3-4PA	24	12		2				1		
		I-22	M1-1A	24	24		4				1		
		Right Angle Arrow (blue/white)	M6-2RPA	21	15		2.1875				1		
		West	M3-4PA	24	12		2				1		
		US 78	M1-4	24	24		4				1		
		Right Angle Arrow	M6-2RP	21	15		2.1875				1		
	S	West	M3-4PA	24	12		2			1		15	Same post
		USR 178	M1-5	30	24		5				1		
		Right Arrow	M6-1PR	21	15		2.1875				1		
	S	Bridge Ices Before Road	W8-13	36	36				9	1		15	
	N	Stop Ahead	W3-1	36	36			9		1			
	S	Jct (blue/white)	M2-1PA	21	15		2.1875				1		Reuse pipe post - same post
		I-22	M1-1A	24	24		4				1		
		Jct	M2-1P	21	15		2.1875				1		
		US 78	M1-4	24	24		4				1		
	N	East	M3-2PA	24	12		2			1		15	Same post
		SR 178	M1-5	30	24		5				1		

Bypass Street		Right Arrow	M6-1PR	21	15		2.1875			1		
	S	Do Not Enter	R5-1	36	36				9	1		15
		Yield	R1-2	36	36				3.9		1	
	N	Stop	R1-1	36	36				7.46			
	N	Stop	R1-1	36	36				7.46			
	N	Yield	R1-2	36	36				3.9	1		15
		Do Not Enter	R5-1	36	36				9		1	
	E	Jct (blue/white)	M2-1PA	21	15		2.1875				1	
		I-22	M1-1A	24	24		4				1	
		Jct	M2-1P	21	15		2.1875				1	
		US 78	M1-4	24	24		4				1	
	W	Stop Ahead	W3-1	36	36			9		1		15
	W	Stop Ahead	W3-1	36	36			9			1	
	W	Jct	M2-1P	21	15		2.1875			1		15
		SR 178	M1-5	30	24		5				1	
	E	West (blue/white)	M3-4PA	24	12		2				1	
		I-22	M1-1A	24	24		4				1	
		Up Arrow (blue/white)	M6-3PA	21	15		2.1875				1	
		West	M3-4	24	12		2				1	
		US 78	M1-4	24	24		4				1	
		Up Arrow	M6-3P	21	15		2.1875				1	
		East (blue/white)	M3-2PA	24	12		2				1	
		I-22	M1-1A	24	24		4				1	
		Right Angle Arrow (blue/white)	M6-2RPA	21	15		2.1875				1	
		East	M3-2PA	24	12		2				1	
		US 78	M1-4	24	24		4				1	
		Right Angle Arrow	M6-2RP	21	15		2.1875				1	
	E	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9	1		15
	E		OM-3			2						
	W		OM-3			2						
	E	West (blue/white)	M3-4PA	24	12		2				1	
		I-22	M1-1A	24	24		4				1	
		Left Arrow (blue/white)	M6-1PLA	21	15		2.1875				1	
		West	M3-4PA	24	12		2				1	
		US 78	M1-4	24	24		4				1	
		Left Arrow	M6-1PL	21	15		2.1875				1	
	W	East (blue/white)	M3-2PA	24	12		2				1	
		I-22	M1-1A	24	24		4				1	
		Up Arrow (blue/white)	M6-3PA	21	15		2.1875				1	
		East	M3-2PA	24	12		2				1	
		US 78	M1-4	24	24		4				1	
		Up Arrow	M6-3P	21	15		2.1875				1	
		West (blue/white)	M3-4PA	24	12		2				1	
		I-22	M1-1A	24	24		4				1	
		Right Angle Arrow (blue/white)	M6-2RPA	21	15		2.1875				1	
		West	M3-4PA	24	12		2				1	
		US 78	M1-4	24	24		4				1	

		Right Angle Arrow	M6-2RP	21	15		2.1875				1		
	W	BRIDGE ICES BEFORE ROAD	W8-13	36	36				9	1		15	
	W	Jct (blue/white)	M2-1PA	21	15		2.1875				1		Reuse pipe post - same post
		I-22	M1-1A	24	24		4				1		
		Jct	M2-1P	21	15		2.1875				1		
		US 78	M1-4	24	24		4				1		
109258-301000 Project Totals:							36	564.745	941.26	402.34	77	244	870



THIS DRAWING IS
NOT TO SCALE

NOTES:

Install rumble strips as shown :

1. 1 set of rumble strips approx. 250' from STOP AHEAD
2. 1 set of rumble strips approx. 300' from STOP
3. 1 set of rumble strips approx. Halfway between first and last set
4. Rumble strips to be 4" thermoplastic (120 mil/each ply)
5. 5 rumble strips per set minimum
6. Installation may vary due to terrain
7. Signs should be 48" for channelized intersection, 36" for non-channelized intersection

BY	DATE	REVISION
FW	11/6/98	
BR	11/6/98	
BR	11/6/98	

MISSISSIPPI DEPARTMENT OF TRANSPORTATION TRAFFIC ENGINEERING DIVISION	
TYPICAL RUMBLE STRIP INSTALLATION	
WORKING NUMBER	RSP-26
FILE NAME: RUMBLE STRIP	DESIGNED BY: JAW
DATE: 11/6/98	CHECKED BY: JAW



DESIGNED BY: DENLEY

CHECKED BY:

DATE:

FMS CON: 109258/301000

PROJECT NO.: IM-0006-01-000

COUNTY: MARSHALL

Notice to Bidders No. 8386

CONTRACT NO. 109258/301000

SHEET NO. 1

SHEET TOTAL 1

QUANTITIES REQ'D THIS SHEET				
PAY ITEM NO.	PAY ITEM	UNIT	QUANTITY	REMARKS
203-EX041	BORROW EXCAVATION, AH, LVM, CLASS B9-6	CY	65.0	
203-G002	EXCESS EXCAVATION, LVM, AH	CY	15.0	
216-A001	SOLID SODDING	SY	102.0	
219-A001	WATERING	KGAL	2.0	
237-A002	WATTLES, 20"	LF	100.0	
907-601-B001	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CY	0.730	

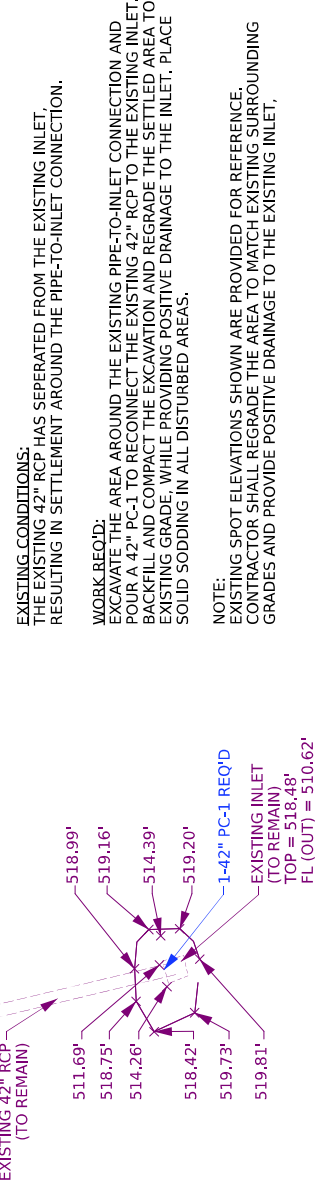
I-22 WB ON-RAMP FROM SR 7

400

I-22 WB

I-22 EB

I-22 EB OFF-RAMP TO SR 7



EXISTING R.O.W. (APPROXIMATE)



DESIGNED BY: DENLEY

CHECKED BY:

DATE:

FMS CON: 109258/301000

PROJECT NO.: IM-0006-01-000

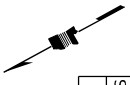
COUNTY: MARSHALL

Notice to Bidders No. 8386

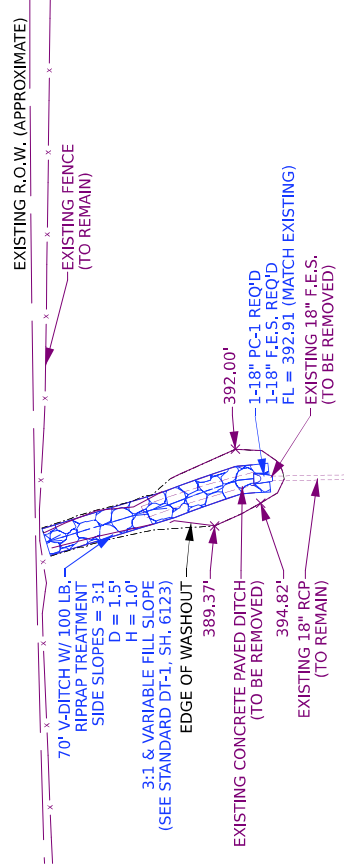
CONTRACT NO. 26

SHEET NO. 2

REPAIR-2



QUANTITIES REQ'D THIS SHEET			
PAY ITEM NO.	PAY ITEM	UNIT	QUANTITY
202-B063	REMOVAL OF CONCRETE PAVED DITCH	SY	20.0
202-B129	REMOVAL OF FLARED END SECTION, ALL SIZES	EA	1.0
203-EX041	BORROW EXCAVATION, AH, LVM, CLASS B9-6	CY	70.0
203-G002	EXCESS EXCAVATION, LVM, AH	CY	50.0
209-A005	GEOTEXTILE STABILIZATION, TYPE V, NON-WOVEN	SY	99.0
907-234-A001	TEMPORARY SILT FENCE	LF	200.0
216-A001	SOLID SODDING	SY	180.0
219-A001	WATERING	KGAL	4.0
237-A002	WATTLES, 20"	LF	200.0
907-601-8001	CLASS "B" STRUCTURAL CONCRETE, MINOR STRUCTURES	CY	0.320
603-CB003	18" REINFORCED CONCRETE END SECTION	EA	1.0
815-A002	LOOSE RIPRAP, SIZE 100	TON	80.0



900

I-22 WB

905

I-22 EB

EXISTING CONDITIONS:
A WASHOUT HAS OCCURED UNDERNEATH THE EXISTING 18" RCP AND F.E.S.

WORK REQ'D:
RECONSTRUCT THE EMBANKMENT AND REMOVE AND REPLACE THE EXISTING 18" F.E.S. AND CONCRETE PAVED DITCH. CONSTRUCT A 70' V-DITCH WITH 100 LB. RIPRAP TREATMENT AS SHOWN (SEE MDOT STANDARD DRAWING DT-1, SH. NO. 6123). SOLID SODDING TO BE INSTALLED IN ALL DISTURBED AREAS.

NOTE:
EXISTING SPOT ELEVATIONS SHOWN ARE EXISTING UNLESS NOTED OTHERWISE AND ARE PROVIDED AS REFERENCE.

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SPECIAL PROVISION NO. 907-618-11

CODE: (SP)

DATE: 03/30/2022

SUBJECT: Work Zone Law Enforcement

Pursuant to House Bill No. 580, Section 618, Maintenance of Traffic and Traffic Control Plan, of the 2017 Edition of the Mississippi Standard Specifications for Road and Bridge Construction is hereby amended as follows.

907-618.01--Description. After Subsection 618.01.4 on page 443, add the following.

907-618.01.6--Work Zone Law Enforcement. On projects that the Commission determines are on high-volume roadways or are otherwise high risk projects, the Commission may include a pay item to provide for reimbursement to the Contractor for enhanced law enforcement safety operations in the work zone.

According to House Bill No. 580, the work zone safety operations, when required by the Commission, shall consist of utilizing a uniformed law enforcement officer equipped with a patrol vehicle with blue flashing lights to enforce traffic laws and provide for an enhanced law enforcement presence in order to facilitate the safe movement of traffic through the work zone and to protect workers within the work zone.

907-618.03--Construction Requirements. After Subsection 618.03.5 on page 447, add the following.

907-618.03.7--Work Zone Law Enforcement. The utilization of work zone law enforcement shall be done at such locations and time periods deemed necessary and appropriate by the Engineer, after discussion with the Contractor. The Contractor shall be responsible for the coordination with the work zone law enforcement agency.

The Contractor shall provide a daily work record of the actual hours of work performed by the law enforcement agency and shall be accompanied by signed invoices from the law enforcement agency, which must be verified by the Engineer.

907-618.04--Method of Measurement. After the last paragraph of Subsection 618.04 on page 449, add the following.

Work zone law enforcement will be measured per hour for every hour verified by the Engineer using an invoice or other acceptable record. Measurement for payment will not be made for work zone law enforcement after expiration of contract time.

907-618.05--Basis of Payment. After the third paragraph of Subsection 618.05 on page 449, add the following.

Work zone law enforcement, measured as prescribed above, will be paid for at the fixed contract unit price per hour, which price shall be full compensation for furnishing and reimbursing work zone law enforcement.

After the last pay item listed on page 450, add the following.

907-618-M2: Work Zone Law Enforcement

- per hour

Mill & Overlay approximately 17 miles of I-22 beginning 1 mile west of the Landfill Road Exit and going east to the Benton County Line, known as Federal Aid Project No. IM-0006-01(106) / 109258301 in Marshall County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
Roadway Items					
0010	201-D001		893	Station	Random Clearing
0020	202-B006		5,119	Square Yard	Removal of Asphalt Paved Shoulders, All Depths
0030	202-B063		20	Square Yard	Removal of Concrete Paved Ditch
0040	202-B117		328	Each	Removal of Delineator, All Types
0050	202-B129		1	Each	Removal of Flared End Section, All Sizes
0060	202-B158		6,852	Linear Feet	Removal of Guard Rail, Including Rails, Posts and Terminal Ends
0070	202-B213		244	Each	Removal of Sign
0080	202-B215		77	Each	Removal of Sign Including Post & Footing
0090	202-B240		17,190	Linear Feet	Removal of Traffic Stripe
0100	203-EX041	(E)	135	Cubic Yard	Borrow Excavation, AH, LVM, Class B9-6
0110	203-G002	(E)	65	Cubic Yard	Excess Excavation, LVM, AH
0120	209-A005		99	Square Yard	Geotextile Stabilization, Type V, Non-Woven
0130	216-A001		282	Square Yard	Solid Sodding
0140	219-A001		6	Thousand Gallon	Watering [\$20.00]
0150	237-A002		300	Linear Feet	Wattles, 20"
0160	304-B004	(GT)	964	Ton	Granular Material, Class 5, Group D for Guardrail Pads
0170	304-B004	(GT)	14,100	Ton	Granular Material, Class 5, Group D for Shoulders
0180	406-D001		827,136	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0190	406-E002		451	Square Yard	Fine Milling of Concrete Pavement, All Depths
0200	423-A001		70	Mile	Rumble Strips, Ground In
0210	503-C010		7,831	Linear Feet	Saw Cut, Full Depth
0220	603-CB003	(S)	1	Each	18" Reinforced Concrete End Section
0230	606-B002		6,938	Linear Feet	Guard Rail, Class A, Type 1, 'W' Beam
0240	606-C001		9	Each	Guard Rail, Cable Anchor Type 1, Metal Post
0250	606-D020		28	Each	Guard Rail, Bridge End Section, Type H, Metal Post
0260	606-D023		8	Each	Guard Rail, Bridge End Section, Type I, Metal Post
0270	606-E005		36	Each	Guard Rail, Terminal End Section, Flared
0280	606-E007		9	Each	Guard Rail, Terminal End Section, Non-Flared
0290	618-B001		1	Square Feet	Additional Construction Signs [\$10.00]
0300	619-A1001		74	Mile	Temporary Traffic Stripe, Continuous White
0310	619-A2001		75	Mile	Temporary Traffic Stripe, Continuous Yellow
0320	619-A3001		67	Mile	Temporary Traffic Stripe, Skip White

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0330	619-A5001		120,120	Linear Feet	Temporary Traffic Stripe, Detail
0340	619-F3001		391	Each	Delineators, Guard Rail, White
0350	620-A001		1	Lump Sum	Mobilization
0360	630-A001		565	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.080" Thickness
0370	630-A003		942	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.125" Thickness
0380	630-A005		403	Square Feet	Standard Roadside Signs, Sheet Aluminum, 0.1" Thickness
0390	630-C005		870	Linear Feet	Square Tube Posts, 2.0 lb/ft
0400	630-G004		36	Each	Type 3 Object Markers, OM-3R or OM-3L
0410	815-A002	(S)	80	Ton	Loose Riprap, Size 100
0420	907-234-A001		200	Linear Feet	Temporary Silt Fence
0430	907-403-A015	(BA1)	25,400	Ton	9.5-mm, ST, Asphalt Pavement
0440	907-405-A001	(BA1)	47,700	Ton	Stone Matrix Asphalt, 9.5 mm Mixture
0450	907-407-A001	(A2)	82,714	Gallon	Asphalt for Tack Coat
0460	907-601-B001	(S)	2	Cubic Yard	Class "B" Structural Concrete, Minor Structures
0470	907-618-A001		1	Lump Sum	Maintenance of Traffic
0474	907-618-M2001		1,784	Hours	Work Zone Law Enforcement [\$60.00]
0480	907-626-A010		34	Mile	6" Thermoplastic Traffic Stripe, Skip White
0490	907-626-C014		37	Mile	6" Thermoplastic Edge Stripe, Continuous White
0500	907-626-F005		38	Mile	6" Thermoplastic Edge Stripe, Continuous Yellow
0510	907-626-G004		44,319	Linear Feet	Thermoplastic Detail Stripe, White
0520	907-626-G005		15,742	Linear Feet	Thermoplastic Detail Stripe, Yellow
0530	907-627-J001		2,830	Each	Two-Way Clear Reflective High Performance Raised Markers
0540	907-627-K001		2,129	Each	Red-Clear Reflective High Performance Raised Markers
0550	907-627-L001		2,392	Each	Two-Way Yellow Reflective High Performance Raised Markers